

Title (en)
Liquid crystal display and method thereof

Title (de)
Flüssigkristallanzeige und Verfahren dafür

Title (fr)
Affichage à cristaux liquides et procédé correspondant

Publication
EP 2146239 A3 20100602 (EN)

Application
EP 09008719 A 20090703

Priority
KR 20080068196 A 20080714

Abstract (en)
[origin: EP2146239A2] A liquid crystal display includes a light guide plate (141) guiding light, light sources disposed adjacent to at least one side of the light guide plate, and a lower receptacle (170). The lower receptacle includes a bottom plate on which the light guide plate and the light sources are disposed, a lower receptacle side wall extending in a direction substantially perpendicular to the bottom plate and from an edge of the bottom plate, and an upper plate (173,174) extended from the lower receptacle side wall and substantially parallel to the bottom plate. The upper plate does not overlap the light guide plate in a plan view of the liquid crystal display.

IPC 8 full level
G02F 1/13357 (2006.01); **G02B 6/00** (2006.01)

CPC (source: EP KR US)
G02B 6/0088 (2013.01 - EP US); **G02F 1/1333** (2013.01 - KR); **G02F 1/133308** (2013.01 - EP US); **G02F 1/1335** (2013.01 - KR);
G02F 1/133317 (2021.01 - EP US)

Citation (search report)

- [XY] US 2005140850 A1 20050630 - SU SHENG-LUN [TW], et al
- [Y] US 2005068470 A1 20050331 - WON SE CHANG [KR]
- [Y] US 2008094535 A1 20080424 - SUH CHUNG-WOO [KR], et al
- [Y] EP 1879065 A1 20080116 - SAMSUNG ELECTRONICS CO LTD [KR]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2146239 A2 20100120; EP 2146239 A3 20100602; EP 2146239 B1 20160615; CN 101630088 A 20100120; CN 101630088 B 20131225;
JP 2010020318 A 20100128; JP 5543144 B2 20140709; KR 101461536 B1 20141113; KR 20100007534 A 20100122;
US 2010007816 A1 20100114; US 8582046 B2 20131112

DOCDB simple family (application)
EP 09008719 A 20090703; CN 200910140268 A 20090713; JP 2009164855 A 20090713; KR 20080068196 A 20080714;
US 48328609 A 20090612